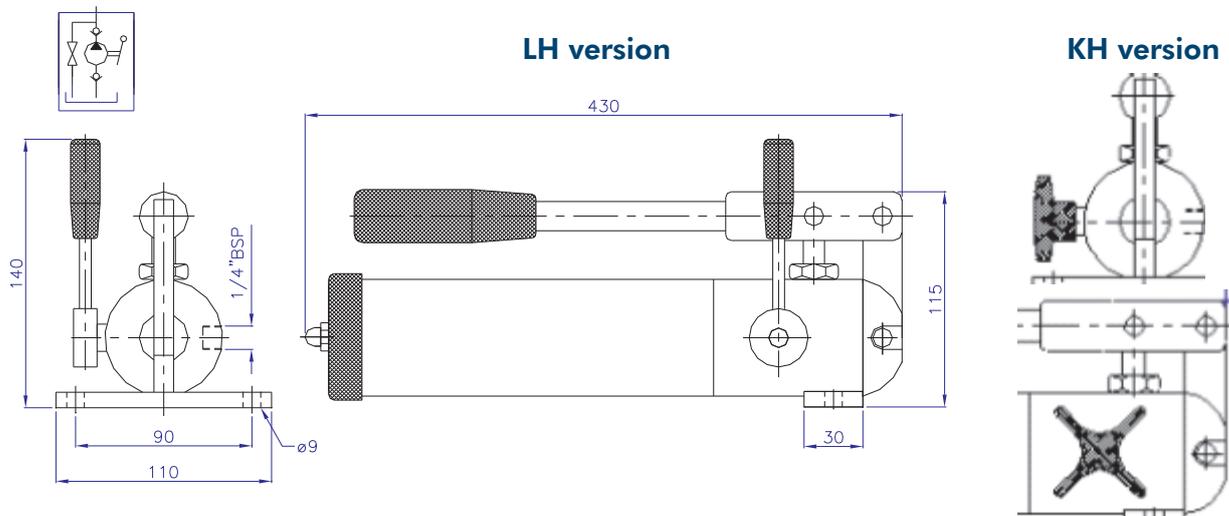


▶ **PRODUCT DATA SHEET**

# HPA-LH/KH-T Hand Operated Pump

HPA-LH-T is a series of single acting hand pumps made entirely in stainless steel (AISI 304), making them particularly applicable within the food processing industry and in challenging environments. The pumps work with oil based as well as with watery hydraulic fluids.



## Application

The HPA-Series pumps are designed for simple lifting operations and will typically operate stainless steel hydraulic cylinders on work platforms, lock systems etc. - or used as emergency stand-by pump on hydraulic systems.

## Installation

HPA-LH-T can only be installed vertically with the reservoir upward.

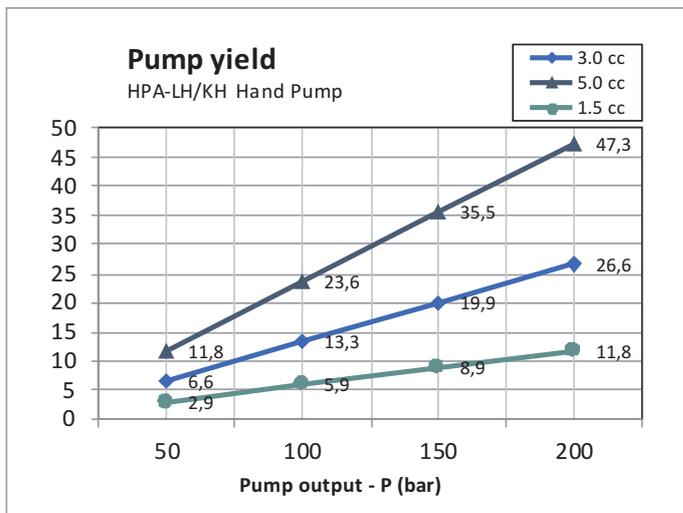
## Specifications

The HPA-LH/KH series pumps are available with 1.5, 3.0 or 5.0 cc pumping capacity and have integrated release valve and check valve. Standard reservoir volume is 0.7 L. Larger reservoirs are available as options. The HPA pumps are also available with an additional reservoir connection port - or without reservoir for applications with external tank.

Model	Fluid	Pressure	Capacity	Reservoir	Connection	Weight
HPA-1.5-*H-T07	Oil or water	200 bar	1.5 cc	0.7 L	1/4" BSP	3.6 kg
HPA-3-*H-T07			3 cc	1.0 L*		
HPA-5-*H-T07			5 cc	1.5 L*		

\*) Release handle: K=Knob, L=Lever

\*) Optional



## HPA-5-LH-T07 ▶

## ◀ HPA-5-LH-TK

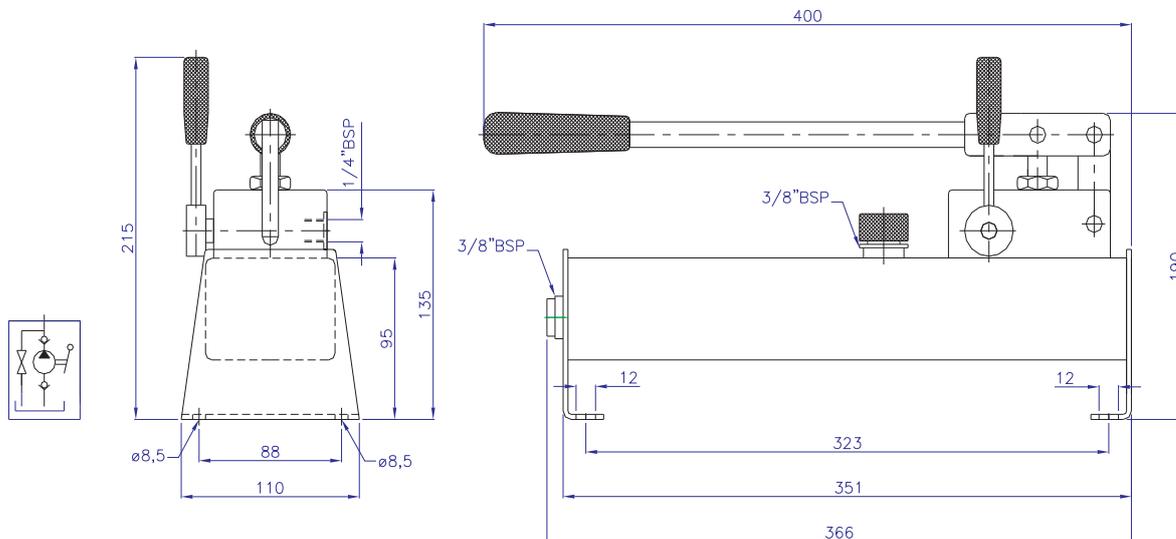
5 cc pump with release valve and short, direct-return tank for use on systems with external oil reservoir.



**Stainless Steel Hydraulics**

# HPB-LH-T Hand Operated Pump

HPB-LH-T is a series of double or single acting hand pumps made entirely in stainless steel (AISI 304), making them particularly applicable within the food processing industry and in aggressive environments. The pumps work with oil based as well as with watery hydraulic fluids.



## Application

HPB-LH-T pumps are designed for simple lifting operations and will typically operate stainless steel hydraulic cylinders on work platforms, lock systems etc. - or used as emergency stand-by pump on hydraulic systems.

## Installation

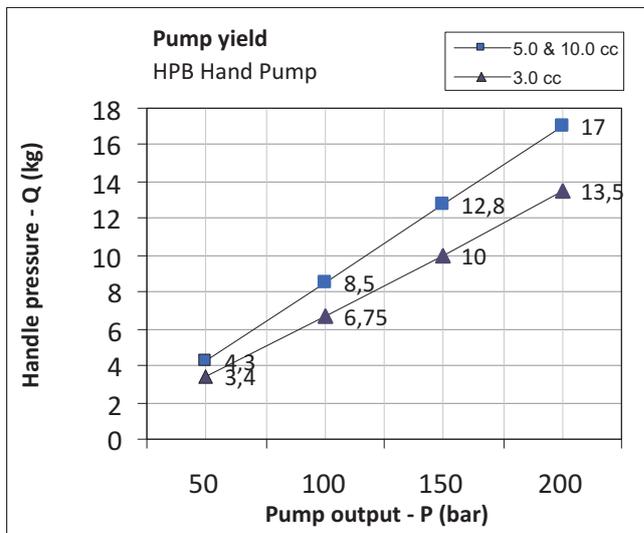
HPB-LH-T can be installed both horizontally and vertically. Various tank sizes and complete pump units with tank and directional valve available as options.

## Specifications

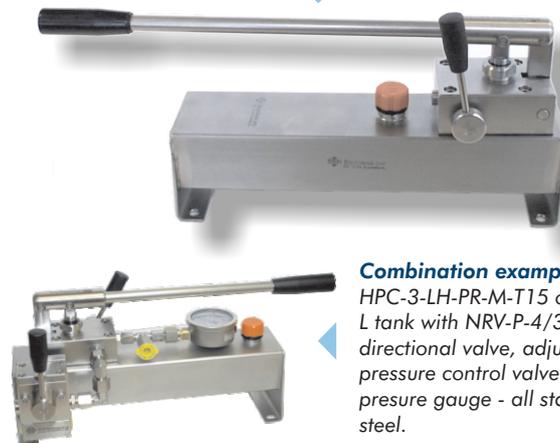
The HPB-LH-T series pumps have integrated release valve and check valve. Standard pumping capacity is 10 cc (double acting with 5 cc per up/down stroke). 3 and 5 cc single acting versions are available. Standard reservoir volume is 1.5 L. Larger reservoirs are available as options.

Model	Fluid	Pressure	Capacity	Reservoir	Connection	Weight
HPB-3-LH-T1.5	Oil or water	200 bar	3 cc	1.5 L	1/4" BSP	5 kg
HPB-5-LH-T1.5			5 cc	2.0 L*		
HPB-10-LH-T1.5			10 cc	3.5 L*		

\*) Optional



## HPB-10-LH-T1.5



**Combination example:**  
HPC-3-LH-PR-M-T15 on 1.5 L tank with NRV-P-4/3 directional valve, adjustable pressure control valve and pressure gauge - all stainless steel.

**Stainless Steel Hydraulics**

▶ PRODUCT DATA SHEET

# HPD-34-SF-LH Hand Pump

HPD-34-SF-LH is a double acting hand pump with release valve, made entirely in acid proof stainless steel (1.4404/AISI 316), making it particularly applicable within the food processing industry and in aggressive environments. The pump works with oil based as well as with watery hydraulic fluids.

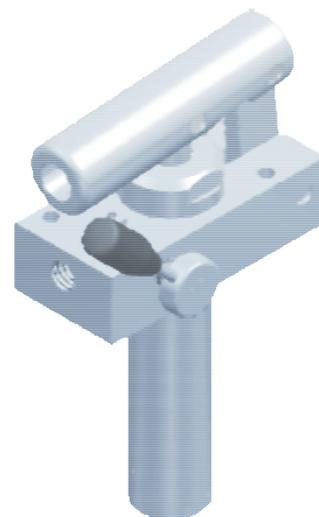
## Application

HPD-34 is designed for simple lifting operations and will typically operate stainless steel hydraulic cylinders on work platforms, lock systems etc. - or be used as emergency stand-by pump on hydraulic systems.

## Installation

HPD-34-SF-LH can be fitted directly on the top plate of the fluid reservoir/tank. The release valve drains directly into the tank.

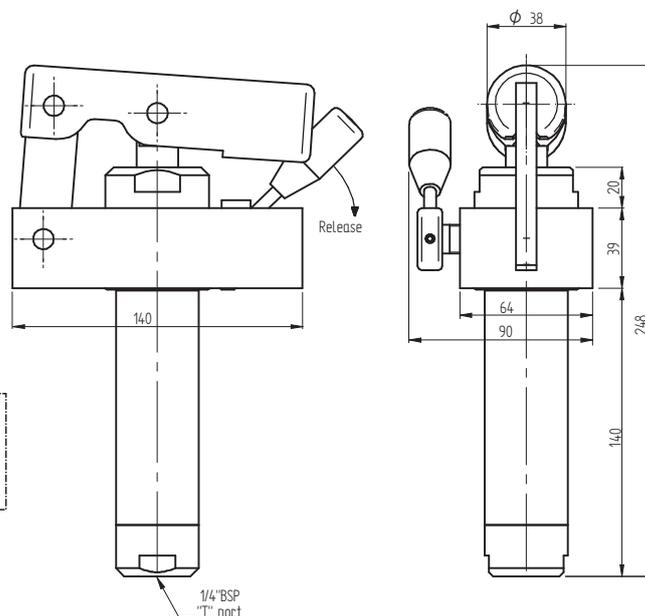
Various tank sizes and complete pump units with tank and directional valve available on request.



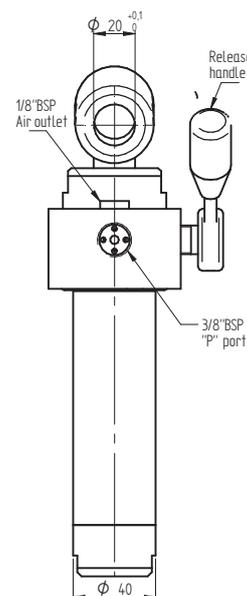
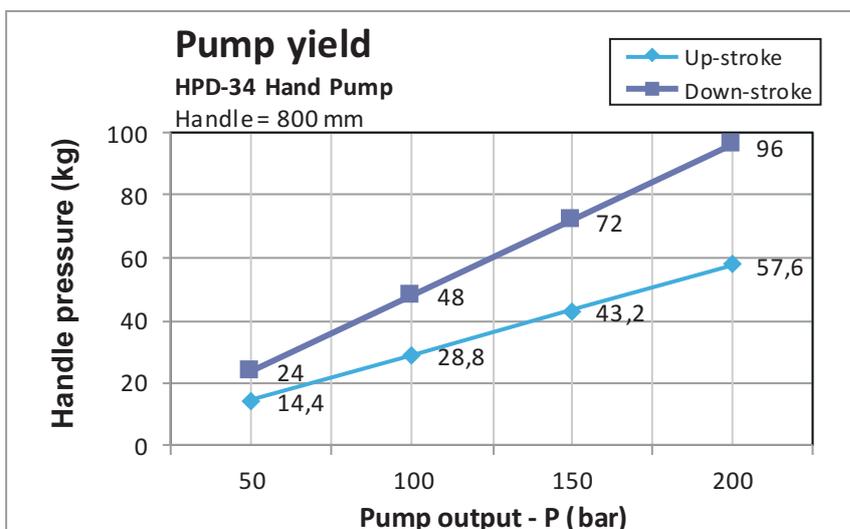
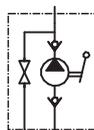
## Specifications

Pump capacity	Fluid
34 (17 + 17) cc	Mineral oil/ Water (glycol)
Tank	Weight
On request	2.6 kg

## Dimensions



**Combination example:**  
HPD-34-SF on 3.7 L tank  
and with NRV-P-4/3  
directional valve - all  
stainless steel.



▶ **PRODUCT DATA SHEET**

# HPD-34-SF Hand Pump

HPD-34-SF is a double acting hand pump made entirely in acid proof stainless steel (1.4404/AISI 316), making it particularly applicable within the food processing industry and in aggressive environments. The pump works with oil based as well as with watery hydraulic fluids.

## Application

HPD-34 is designed for simple lifting operations and will typically operate stainless steel hydraulic cylinders on work platforms, lock systems etc. - or used as emergency stand-by pump on hydraulic systems.

## Installation

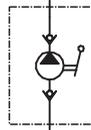
HPD-34 can be fitted directly on the top plate of the fluid reservoir/tank. Requires a separate release valve.

Various tank sizes and complete pump units with tank and directional valve available on request.

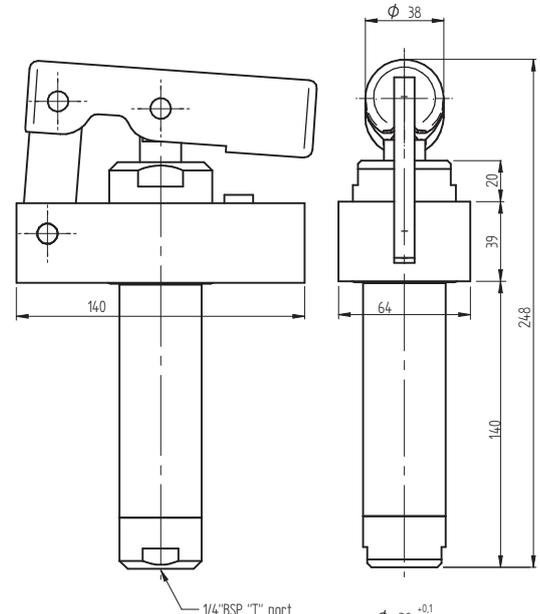


## Specifications

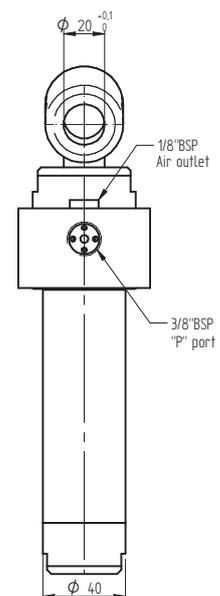
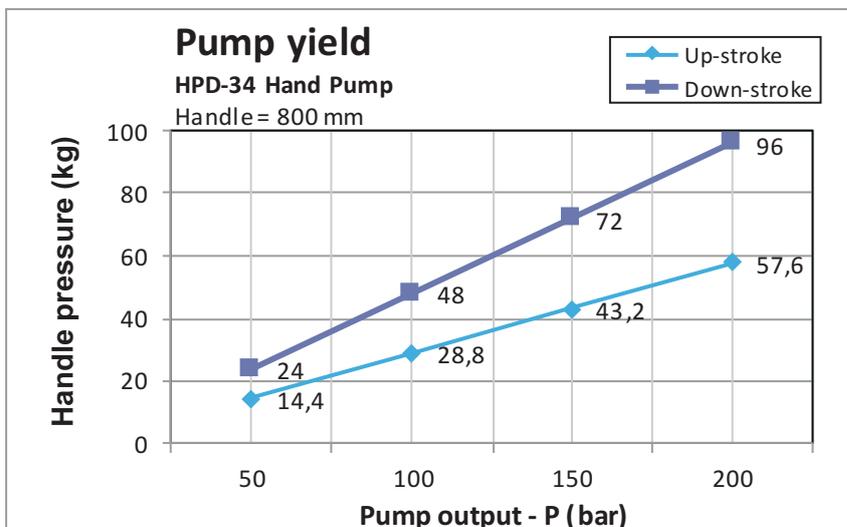
Pump capacity	Fluid
34 (17 + 17) cc	Mineral oil/ Water (glycol)
Tank	Weight
On request	2.5 kg



## Dimensions



**Combination example:**  
HPD-34-SF on 3.7 L tank  
and with NRV-P-4/3  
directional valve - all  
stainless steel.



▶ PRODUCT DATA SHEET

# HPD-34-SF-LH Hand Pump

HPD-34-SF-LH is a double acting hand pump with release valve, made entirely from acid proof stainless steel (1.4404/AISI 316), making it particularly applicable within the food processing industry and in aggressive environments. The pump works with oil based as well as with watery hydraulic fluids.

## Application

HPD-34 is designed for simple lifting operations and will typically operate stainless steel hydraulic cylinders on work platforms, lock systems etc. - or be used as emergency stand-by pump on hydraulic systems.

## Installation

HPD-34-SF-LH can be fitted directly on the top plate of the fluid reservoir/tank. The release valve drains directly into the tank. Various tank sizes and complete pump units with tank and directional valve available on request.



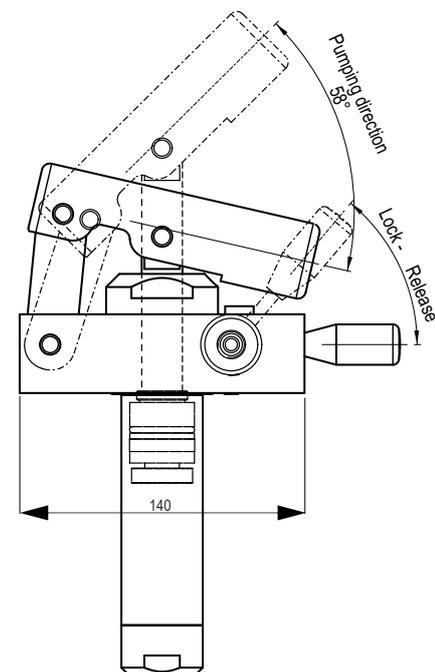
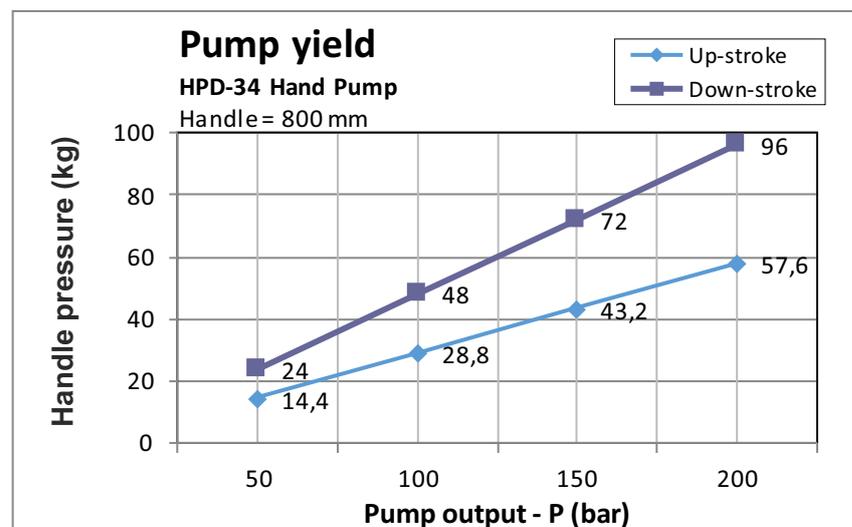
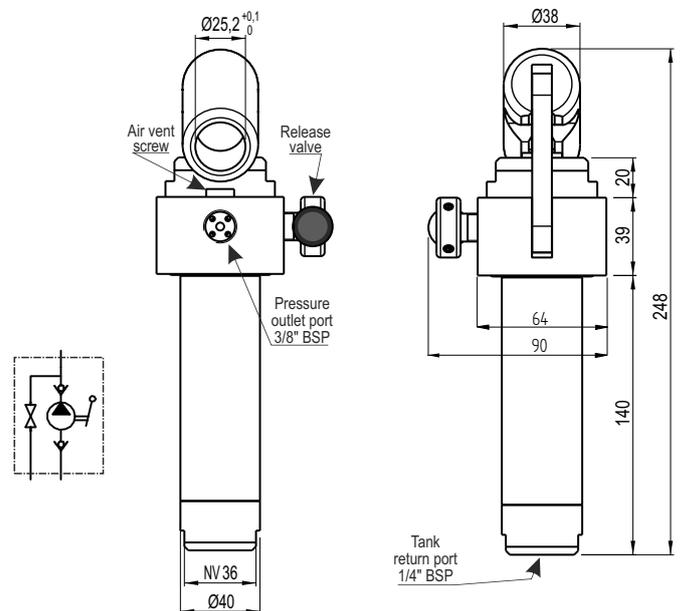
## Specifications

Pump capacity	Fluid
34 (17 + 17) cc	Mineral oil/ Water (glycol)
Tank	Weight
On request	2.6 kg



**Combination example:**  
HPD-34-SF on 3.7 L tank  
and with NRV-P-4/3  
directional valve - all  
stainless steel.

## Dimensions



**Stainless  
Steel  
Hydraulics**

# HPD-34-SF-LH Hand Pump

## Ordering Codes

STANDARD      OPTIONAL  
**HPD-34-SF-LH-PR-M\*-T\*\*-NRV**

**Pump type**

HPD: Hand Pump, type "D"

**Pump capacity**

34: 34 cc/full up + down stroke

**Material**

SF: Acid proof stainless steel,  
 EN 1.4401/1.4404

**Pressure release**

LH: Release valve, handle operated

**Operating valve**

NRV: 4/3 Directional valve,  
 manual (mounted on tank)

**Fluid tank**

T20: 2.0 L tank, LxWxH

147x100x220 mm

T37: 3.7 L tank, LxWxH

150x100x287 mm

T50: 5.0 L tank: LxWxH

147x100x378 mm

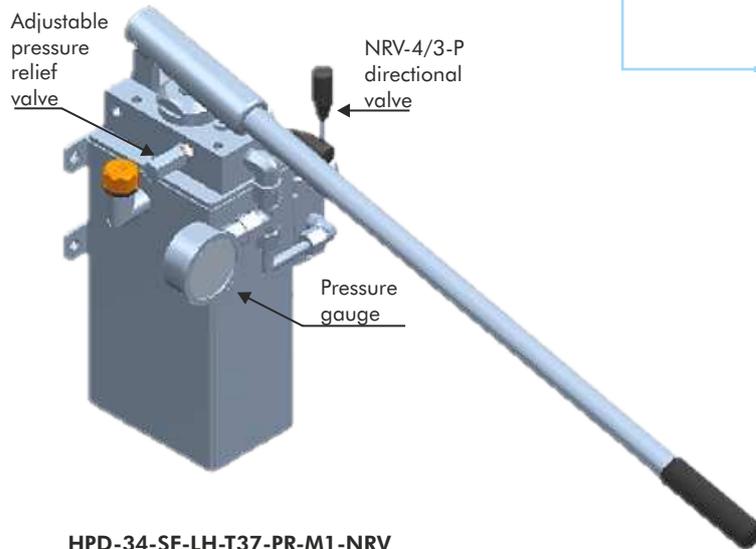
**Pressure monitoring**

M1: Pressure gauge, Ø40 mm,  
 0-400 bar

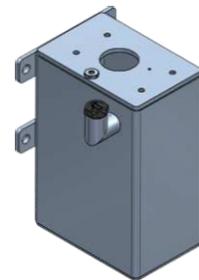
M2: Pressure gauge, Ø70 mm,  
 0-400 bar

**Pressure control**

PR: Pressure relief valve,  
 adjustable 50-270 bar



HPD-34-SF-LH-T37-PR-M1-NRV



T20 2.0 L tank in stainless steel (EN 1.4401).

